



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)

BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera/

Leader Industries, Inc.

P.O. Box 40913

Nashville, TN 37204

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model DC-638 Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **08-00626**, titled "DC-638 Louver System", sheets 1 through 10 of 10, dated 10/07/2008, prepared by Leader Industries, Inc, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # **09-0916.02** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Signature]
04/25/2012

NOA No. 12-0208.09

Expiration Date: January 06, 2015

Approval Date: May 3, 2012

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS *"Submitted under NOA # 09-0916.02"*

1. Drawing No. **08-00626**, titled "DC-638 Louver System", sheets 1 through 10 of 10, dated 10/07/2008, prepared by Leader Industries, Inc, signed and sealed by Luis R. Lomas, P.E.

B. TESTS *"Submitted under NOA # 04-0824.02"*

1. Test report on Large Missile Impact Test per TAS 201, Cyclic Wind Pressure Test per TAS 203, and Uniform Static Air Pressure Test per TAS 202 of "DC-638-1 to 4 Aluminum Louvers", prepared by Certified Testing Laboratories, Test Report No. **CTLA-1225W**, dated 06/15/2004, signed and sealed by R. Patel, PE.

C. CALCULATIONS *"Submitted under NOA # 08-1126.05"*

1. Anchor calculations prepared by L. Roberto Lomas, dated 10/09/2008, signed and sealed by Luis R. Lomas, P.E.

"Submitted under NOA # 05-1114.04"

2. Revised comparative analysis for slats; storm bars, headers and anchors using rational analysis dated 07/26/2004, prepared by PTC, signed and sealed by E. S. Nielsen, PE.

D. QUALITY ASSURANCE


1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

1. None.

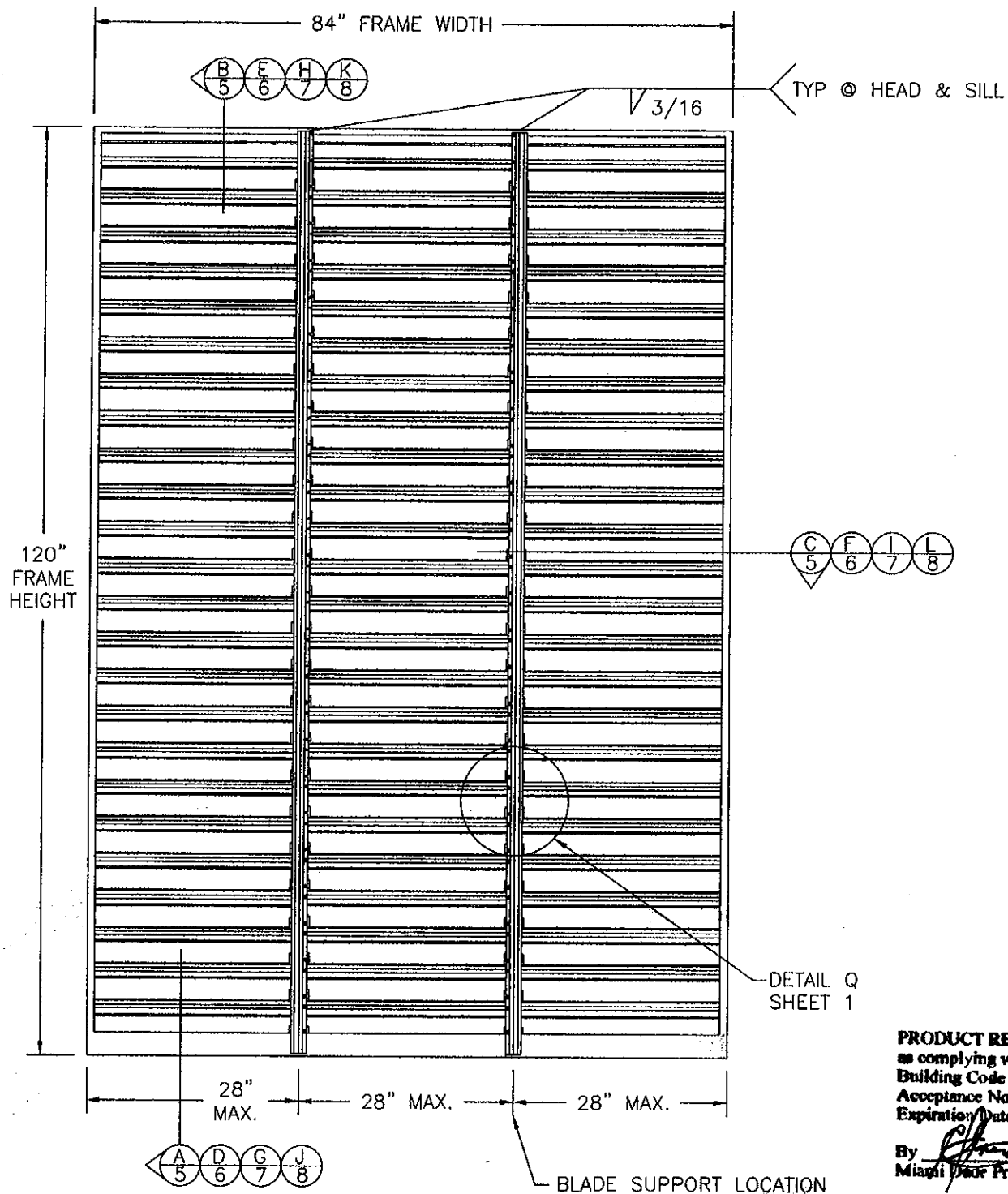
F. STATEMENTS

1. Statement letter of code conformance to 2010 FBC and no financial interest, dated 01/24/2012, issued, signed and sealed by Luis R. Lomas, P.E.


04/25/2012

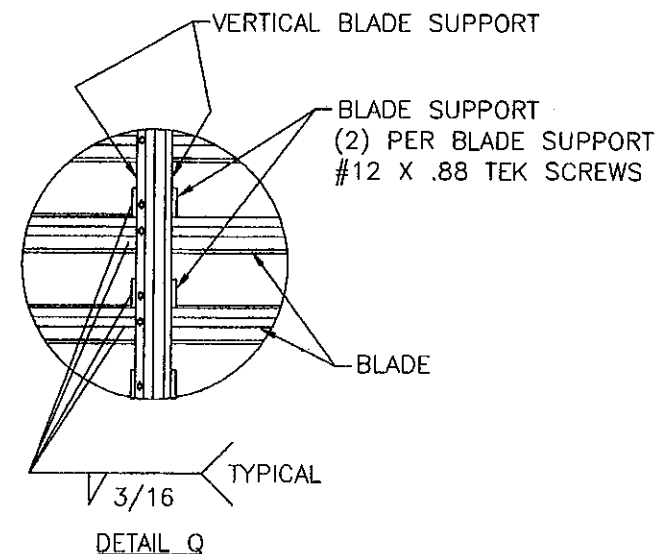
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0208.09

Expiration Date: January 06, 2015
Approval Date: May 3, 2012



SINGLE PANEL ELEVATION
VIEWED FROM EXTERIOR

DESIGN PRESSURE RATING	IMPACT RATING
±160PSF	LARGE AND SMALL MISSILE IMPACT



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0208.09
Expiration Date 01/06/2015
By [Signature]
Miami Data Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 09-0916.02
Expiration Date 01/06/2015
By [Signature]
Miami Data Product Control
Division

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

GENERAL NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE INCLUDING THE HVHZ.
- 2) WOOD BUCK OR STUD FRAMING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE, BUCK OR FRAMING IS RESPONSIBILITY OF ARCHITECT OF RECORD.
- 3) PRODUCTS ARE APPROVED FOR USE WHERE LARGE MISSILE IMPACT RESISTANCE IS REQUIRED. IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED.
- 4) SEE DESIGN PRESSURE RATINGS SHEETS 1 & 2.
- 5) ISOLATE ALL SUBSTRATE ANCHOR CLIPS/ ANGLES, PART NUMBERS 9, 21, 25, & 26 FROM MASONRY/CONCRETE SUBSTRATE BY OTHERS.
- 6) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR $C_d=1.6$ WAS USED FOR WOOD ANCHOR CALCULATIONS.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	SINGLE PANEL ELEVATION AND GENERAL NOTES
2	MULTIPLE PANEL ELEVATION
3	SINGLE PANEL ANCHORING & ANCHORING NOTES
4	MULTIPLE PANEL ANCHORING
5 - 8	INSTALLATION SECTIONS
9	MULLION INSTALLATION
10	BILL OF MATERIALS & COMPONENTS

LEADER INDUSTRIES, INC.

2509 CRUZEN STREET
NASHVILLE, TN 37211

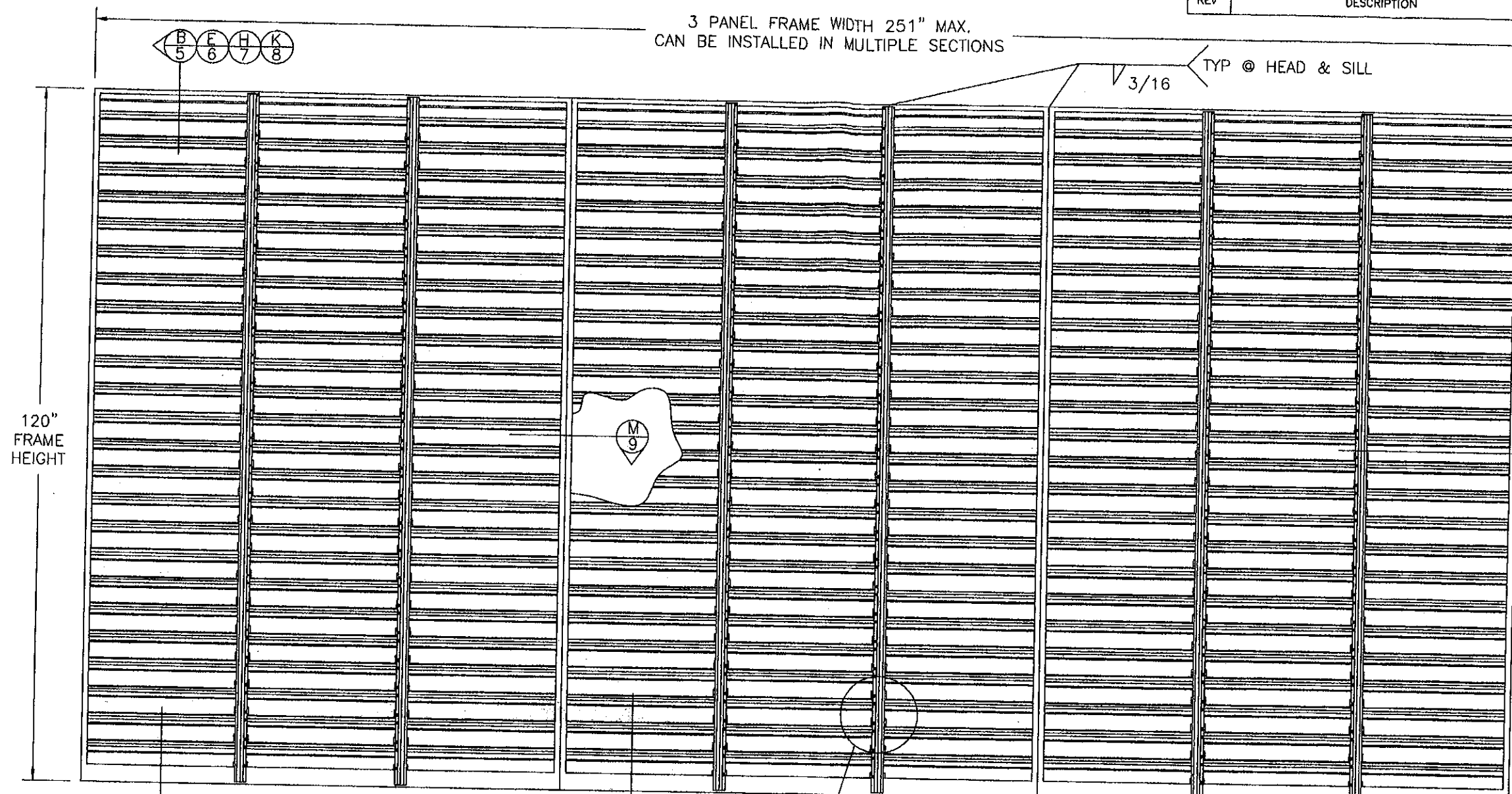
DC-638 LOUVER SYSTEM
LARGE AND SMALL MISSILE IMPACT
SINGLE PANEL ELEVATION & GENERAL NOTES

DRAWN: TJH	DWG NO. 08-00626	REV -
SCALE NTS	DATE 10/7/08	SHEET 1 OF 10

[Signature]
10/3/08

Luis R. Lomas P.E.
Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



3 PANEL FRAME WIDTH 251" MAX.
CAN BE INSTALLED IN MULTIPLE SECTIONS

120" FRAME HEIGHT

3/16 TYP @ HEAD & SILL

DETAIL R SHEET 2

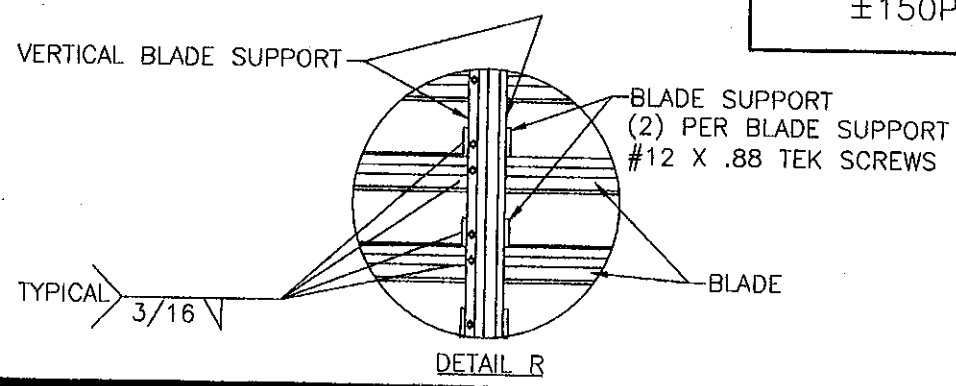
28" MAX 28" MAX 28" MAX

BLADE SUPPORT LOCATION

TRIPLE PANEL ELEVATION SHOWN
MULTIPLES OF MORE THAN THREE ARE APPROVED
VIEWED FROM EXTERIOR

DESIGN PRESSURE RATING	IMPACT RATING
±150PSF	LARGE AND SMALL MISSILE IMPACT

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 07-0916.02
Expiration Date 01/06/2015
By *[Signature]*
Miami Dade Product Control
Division



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as complying with the Florida
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Acceptance No 12-0208.09
Expiration Date 01/06/2015
By *[Signature]*
Miami Dade Product Control
Division

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 08-1126.05
Expiration Date 01/06/2010
By *[Signature]*
Miami Dade Product Control
Division

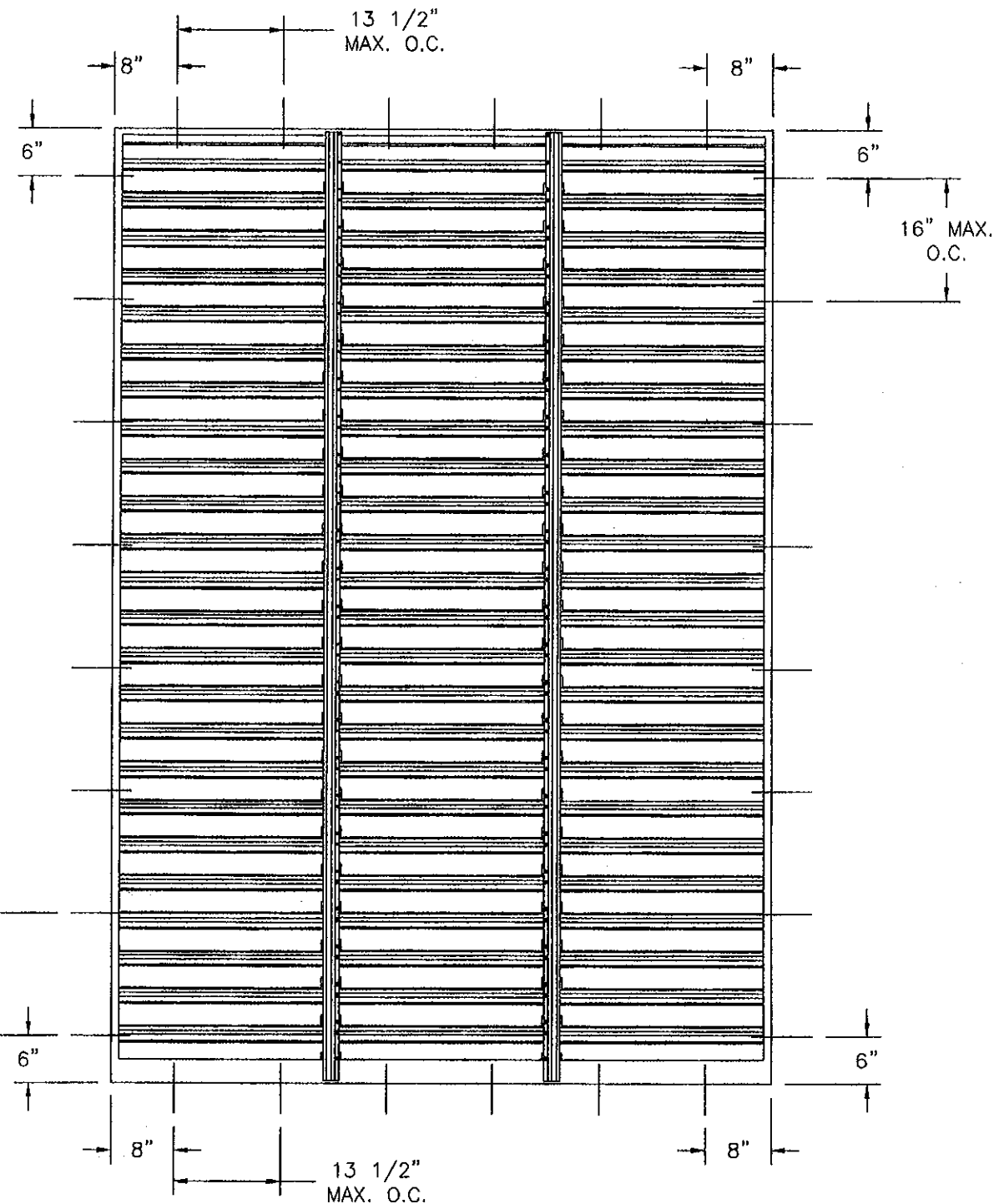
LEADER INDUSTRIES, INC.
2509 CRUZEN STREET
NASHVILLE, TN 37211
DC-638 LOUVER SYSTEM
LARGE AND SMALL MISSILE IMPACT
MULTIPLE PANEL ELEVATION

DRAWN: TJH	DWG NO. 08-00626	REV -
SCALE NTS	DATE 10/7/08	SHEET 2 OF 10

[Signature]
10/31/08

Luis R. Lomas P.E.
Florida No. 62514

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SINGLE PANEL ANCHORING

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0208-09
Expiration Date 01/06/2015
By *[Signature]*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 08-1126-05
Expiration Date 01/06/2010
By *[Signature]*
Miami Dade Product Control
Division

LEADER INDUSTRIES, INC.

2509 CRUZEN STREET
NASHVILLE, TN 37211

DC-638 LOUVER SYSTEM
LARGE AND SMALL MISSILE IMPACT
SINGLE PANEL ANCHORING & ANCHORING NOTES

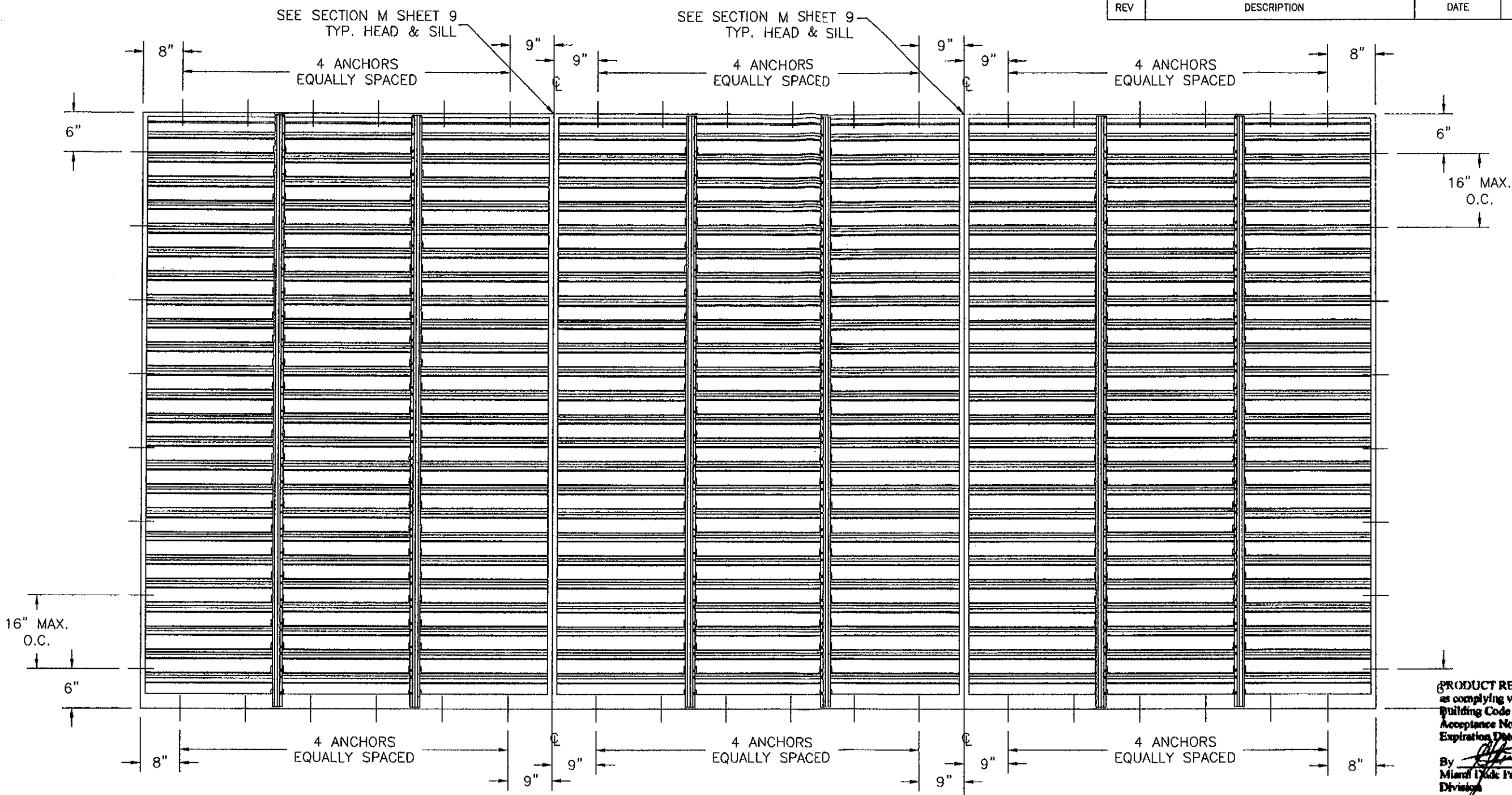
DRAWN: TJH	DWG NO. 08-00626	REV -
SCALE NTS	DATE 10/7/08	SHEET 3 OF 10

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as complying with the Florida
Building Code
Acceptance No 09-0916-02
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10/31/08

Luis R. Lomas P.E.
Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



MULTIPLE PANEL ANCHORING
SEE ANCHORING NOTES SHT. 3

PRODUCT REVISED
as complying with the Florida
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Acceptance No. 12-0208.09
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Miami Dade Product Control
Division

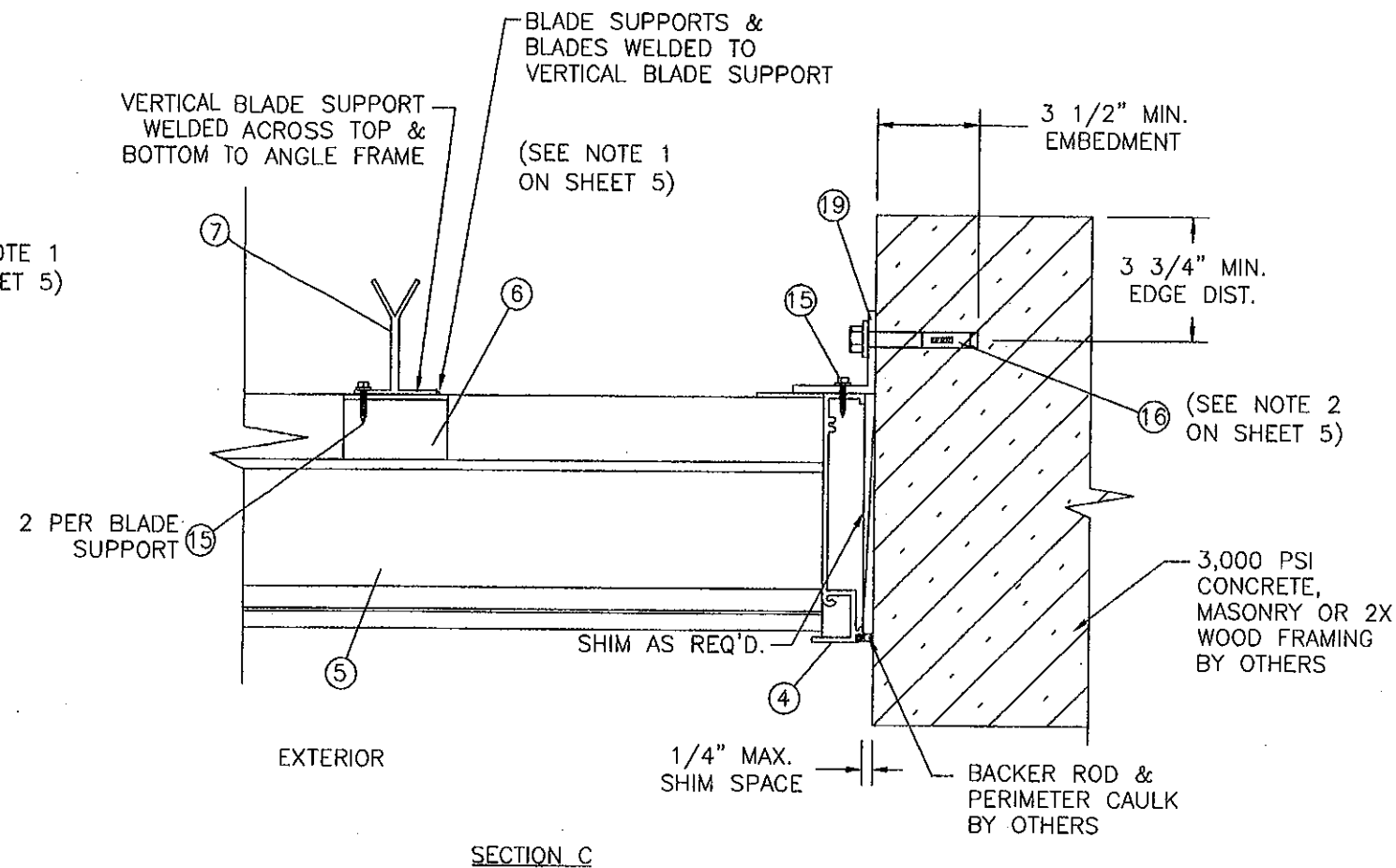
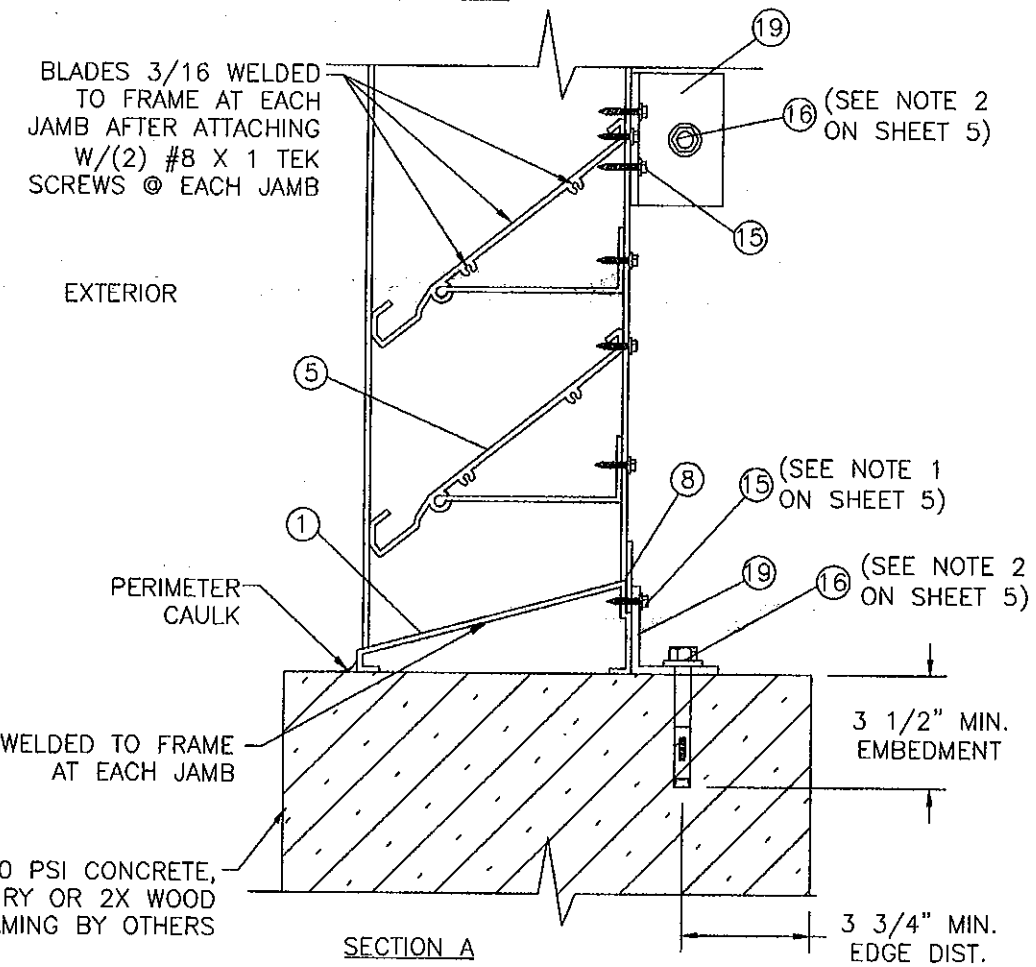
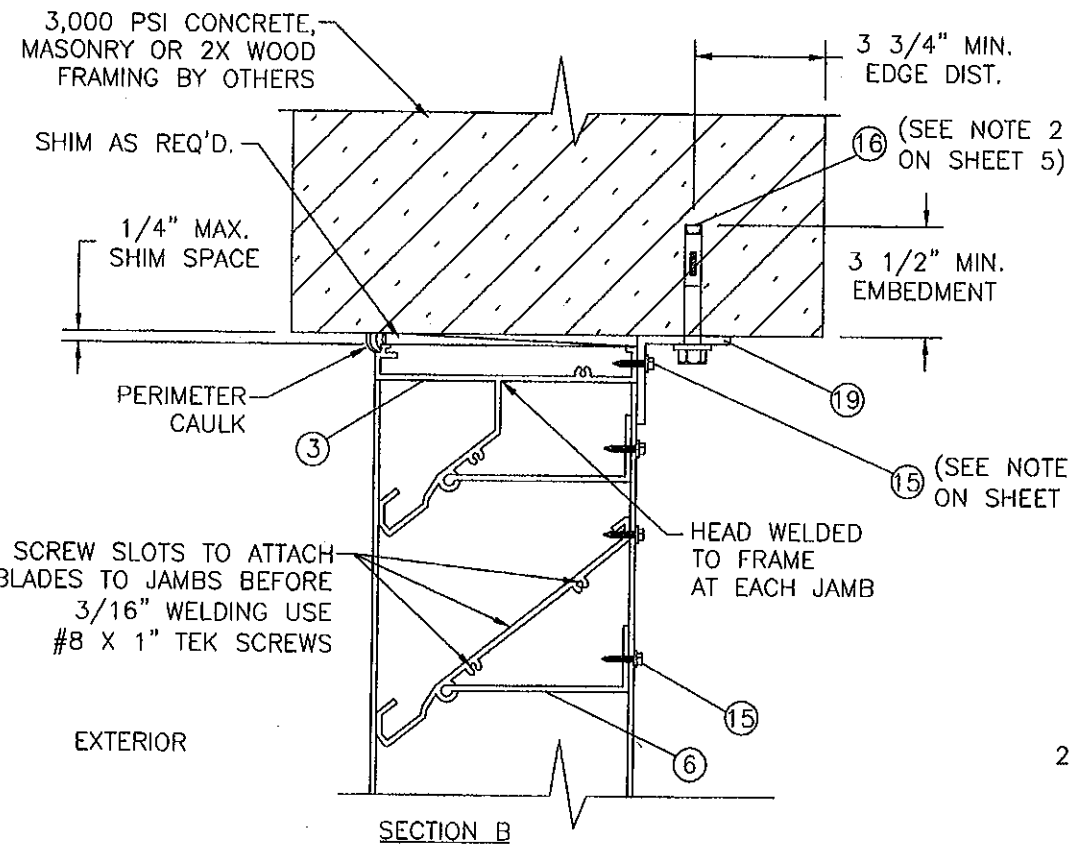
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Miami Dade Product Control
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LEADER INDUSTRIES, INC.
2509 CRUZEN STREET
NASHVILLE, TN 37211
DC-638 LOUVER SYSTEM
LARGE AND SMALL MISSILE IMPACT
MULTIPLE PANEL ANCHORING

DRAWN: TJH	DWG NO. 08-00626	REV -
SCALE NTS	DATE 10/7/08	SHEET 4 OF 10

[Signature]
10/31/08
Luis R. Lomas P.E.
Florida No. 62514

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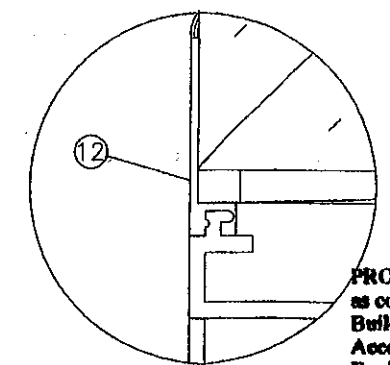
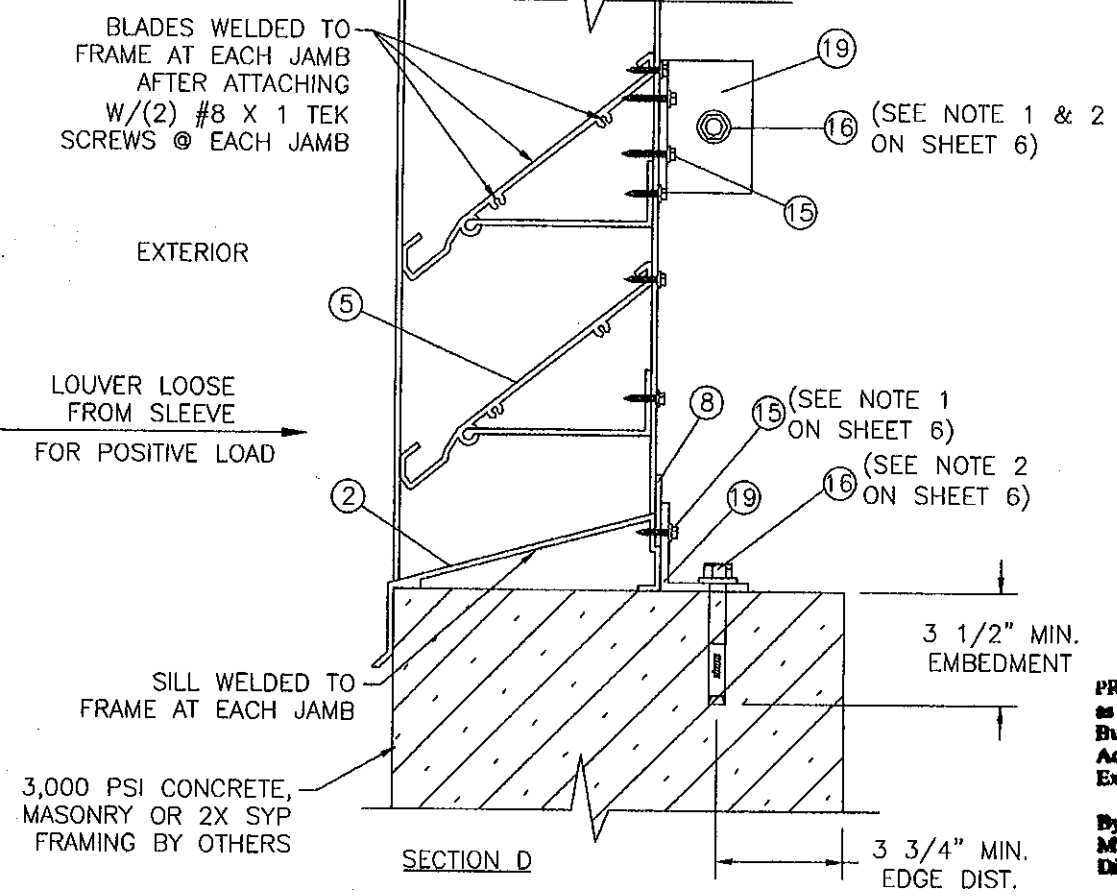
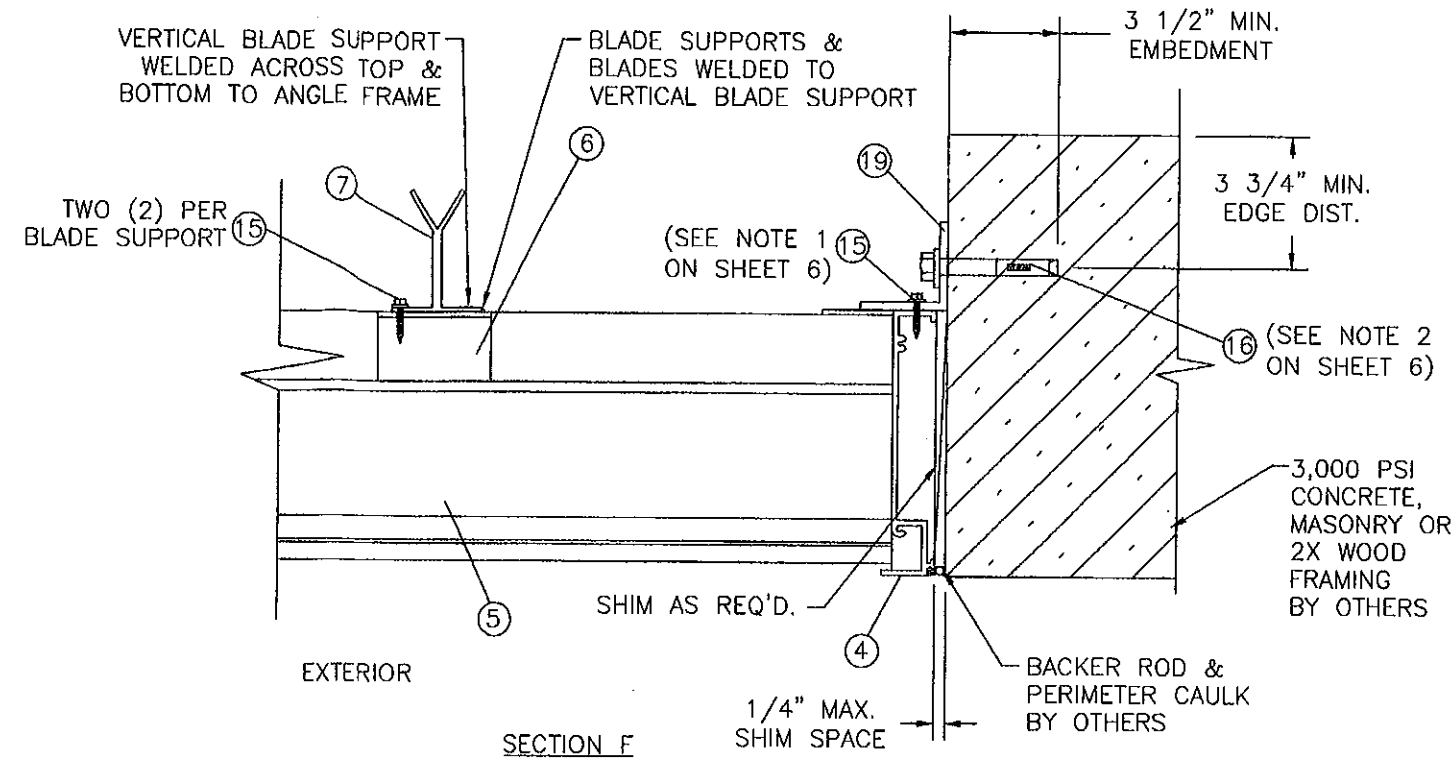
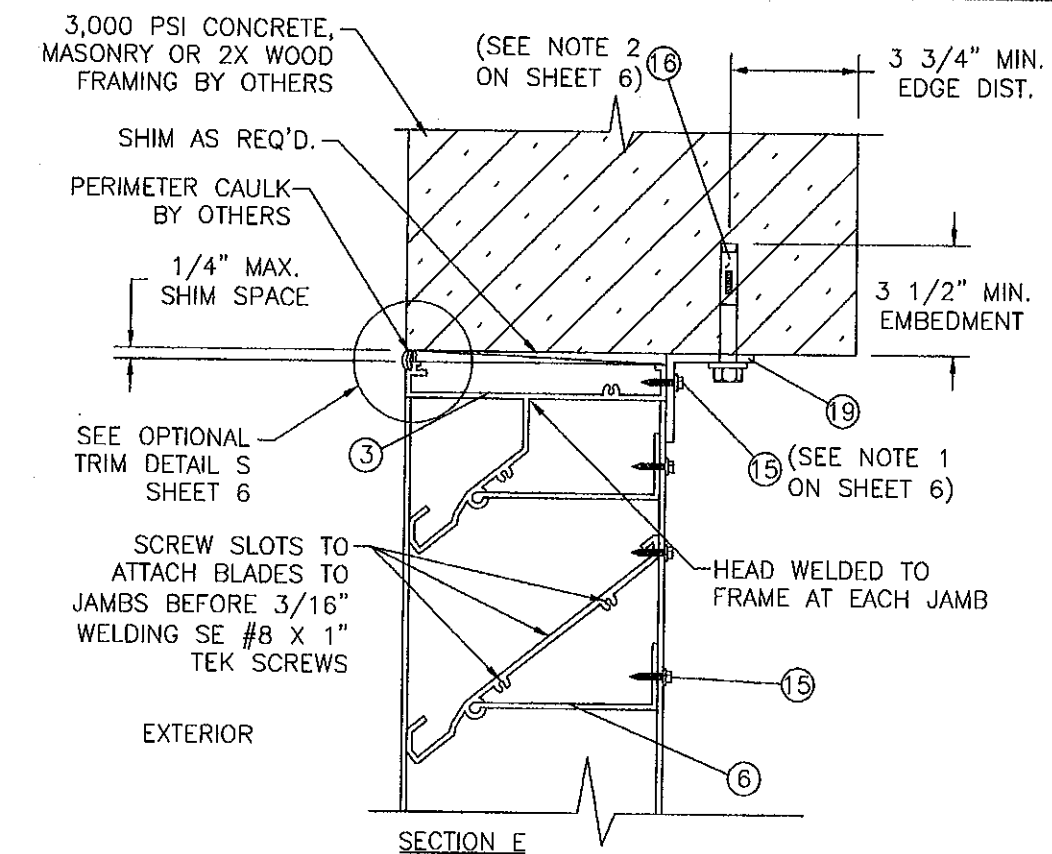
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as complying with the Florida
Building Code
Acceptance No. 12-0208.09
Expiration Date 01/06/2015
By [Signature]
Miami Trade Product Control

- NOTE:
- 1) ATTACH ANGLE CLIPS (ITEM 25) TO DC-638-1 LOUVER SYSTEM WITH TWO (2) # 12-14 X .88 TEK SCREWS (ITEM #15).
 - 2) WHEN ATTACHING TO A WOOD SUBSTRATE, REPLACE 3/8" HILTI KWIK BOLT 3 ANCHOR (ITEM #16) WITH 7/16" X 4" LAG SCREW (TEM #23).
 - 3) SPACING OF ANGLE CLIPS INDICATED ON SHEET 3 OF 10.

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PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <u>08-1126.05</u> Expiration Date <u>01/06/2010</u> By <u>[Signature]</u> Miami Trade Product Control Division		LEADER INDUSTRIES, INC. 2509 CRUZEN STREET NASHVILLE, TN 37211		 10/31/08
		DC-638 LOUVER SYSTEM LARGE AND SMALL MISSILE IMPACT DC-638-1 INSTALLATION SECTIONS		
DRAWN: TJH	DWG NO. 08-00626	REV -	Luis R. Lomas P.E. Florida No. 62514	
SCALE NTS	DATE 10/7/08	SHEET 5 OF 10		

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



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Building Code
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Miami Dade Product Control

- NOTE:
- 1) ATTACH ANGLE CLIPS TO DC-638-2 LOUVER SYSTEM WITH TWO (2) # 12-14 X .88 TEK SCREWS (ITEM #15).
 - 2) WHEN ATTACHING TO A SYP WOOD SUBSTRATE, REPLACE 3/8" HILTI KWIK BOLT 3 ANCHOR (ITEM #16) WITH 7/16" X 4" LAG SCREW (ITEM #27).
 - 3) SPACING OF ANGLE CLIPS INDICATED ON SHEET 3 OF 10.

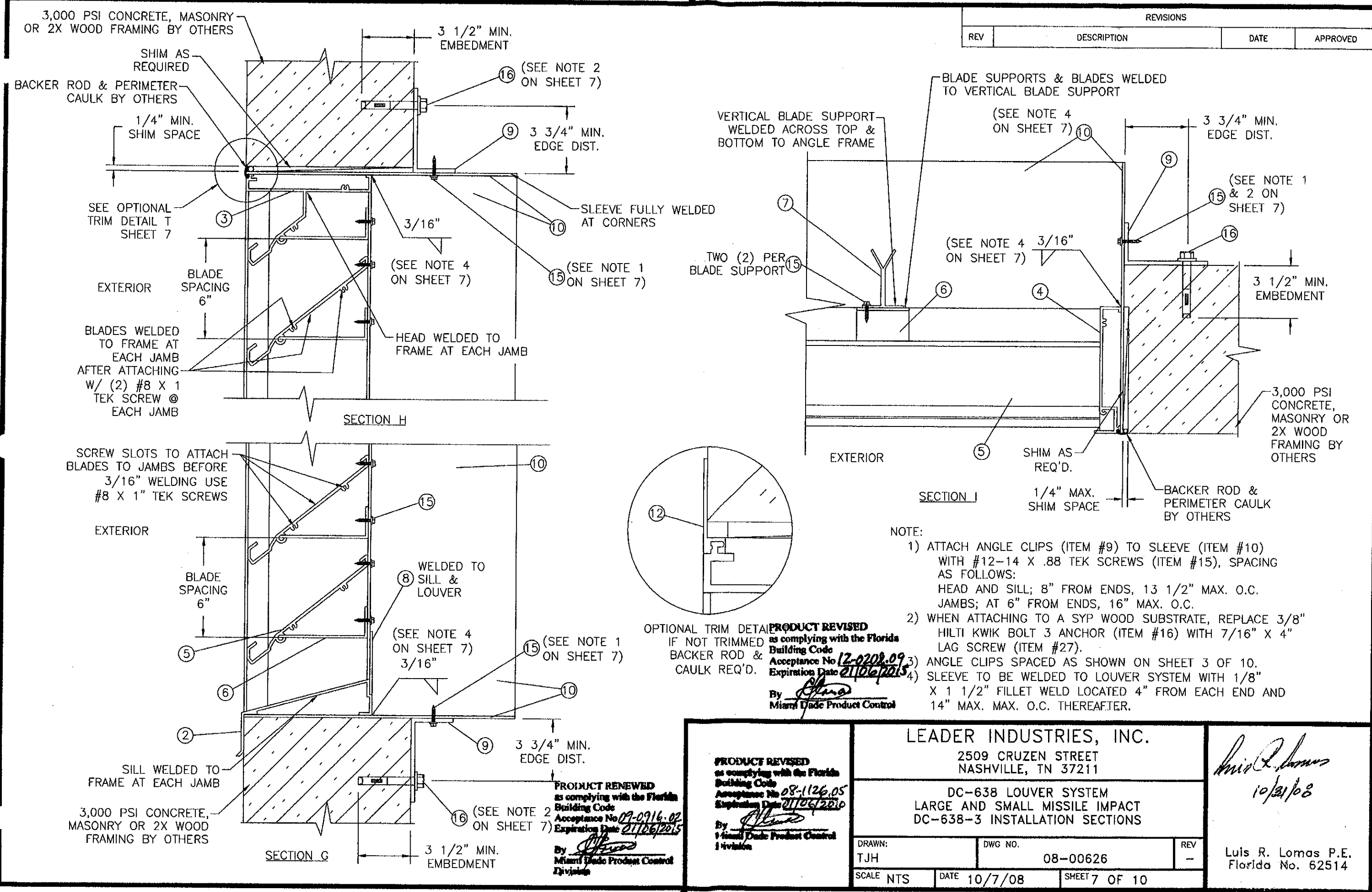
PRODUCT RENEWED
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Building Code
Acceptance No. 07-0916-02
Expiration Date 01/06/2015
By *[Signature]*
Miami Dade Product Control Division

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Miami Dade Product Control Division

LEADER INDUSTRIES, INC.		
2509 CRUZEN STREET NASHVILLE, TN 37211		
DC-638 LOUVER SYSTEM LARGE AND SMALL MISSILE IMPACT DC-638-2 INSTALLATION SECTIONS		
DRAWN: TJH	DWG NO. 08-00626	REV -
SCALE NTS	DATE 10/7/08	SHEET 6 OF 10

[Signature]
10/31/08

Luis R. Lomas P.E.
Florida No. 62514



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

- NOTE:
- 1) ATTACH ANGLE CLIPS (ITEM #9) TO SLEEVE (ITEM #10) WITH #12-14 X .88 TEK SCREWS (ITEM #15), SPACING AS FOLLOWS:
HEAD AND SILL; 8" FROM ENDS, 13 1/2" MAX. O.C.
JAMBS; AT 6" FROM ENDS, 16" MAX. O.C.
 - 2) WHEN ATTACHING TO A SYP WOOD SUBSTRATE, REPLACE 3/8" HILTI KWIK BOLT 3 ANCHOR (ITEM #16) WITH 7/16" X 4" LAG SCREW (ITEM #27).
 - 3) ANGLE CLIPS SPACED AS SHOWN ON SHEET 3 OF 10.
 - 4) SLEEVE TO BE WELDED TO LOUVER SYSTEM WITH 1/8" X 1 1/2" FILLET WELD LOCATED 4" FROM EACH END AND 14" MAX. MAX. O.C. THEREAFTER.

OPTIONAL TRIM DETAIL IF NOT TRIMMED BACKER ROD & CAULK REQ'D.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0202.09
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Miami Trade Product Control Division

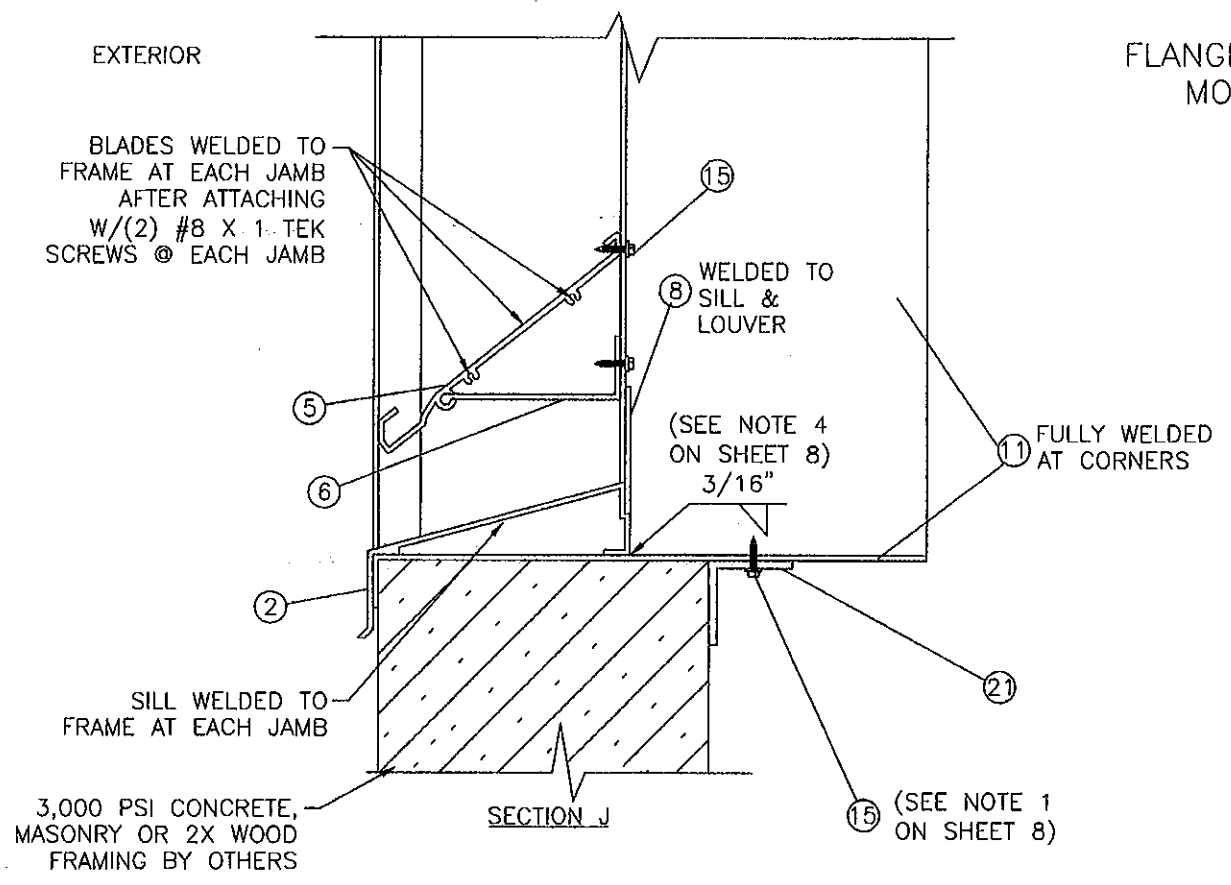
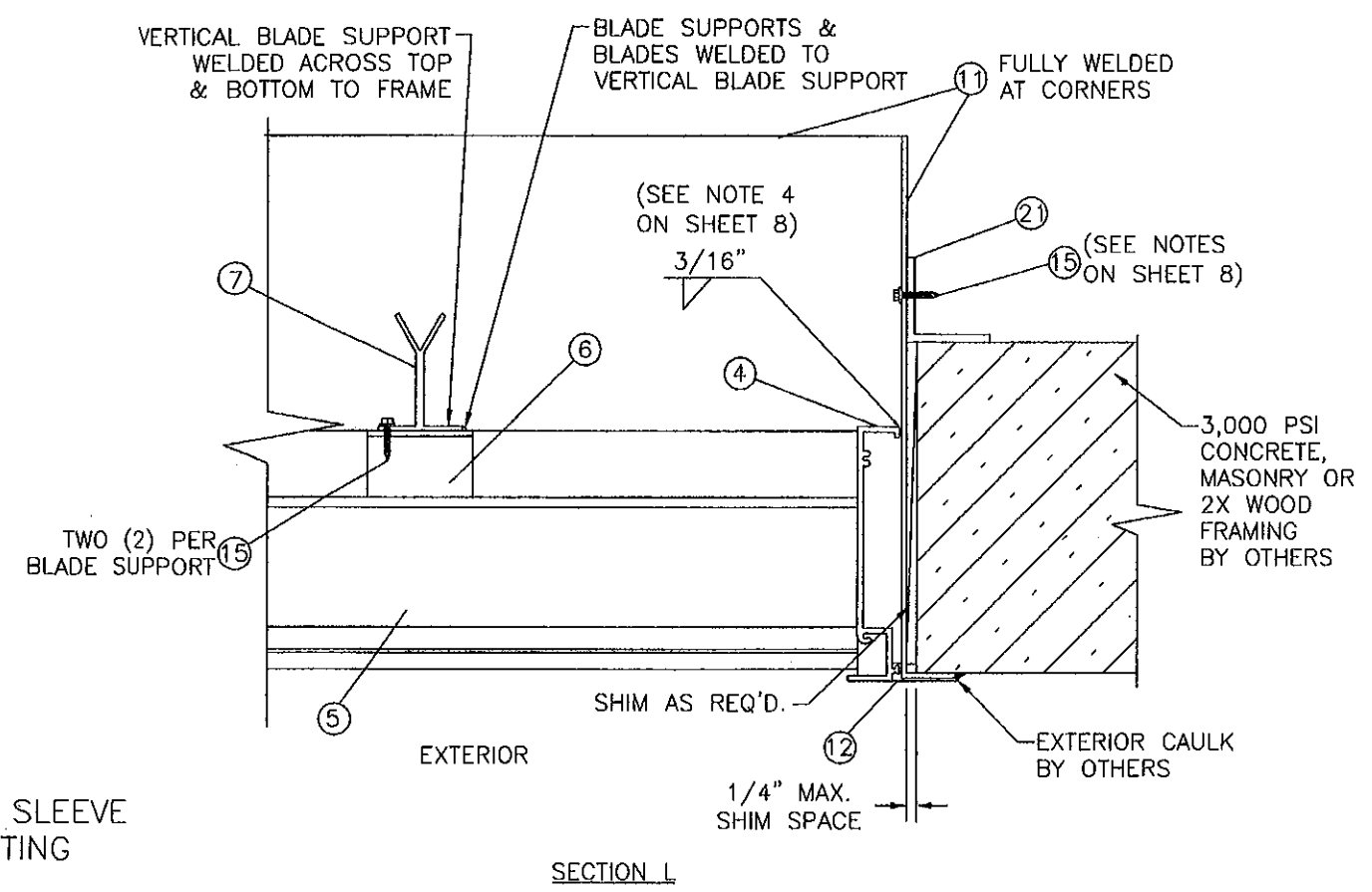
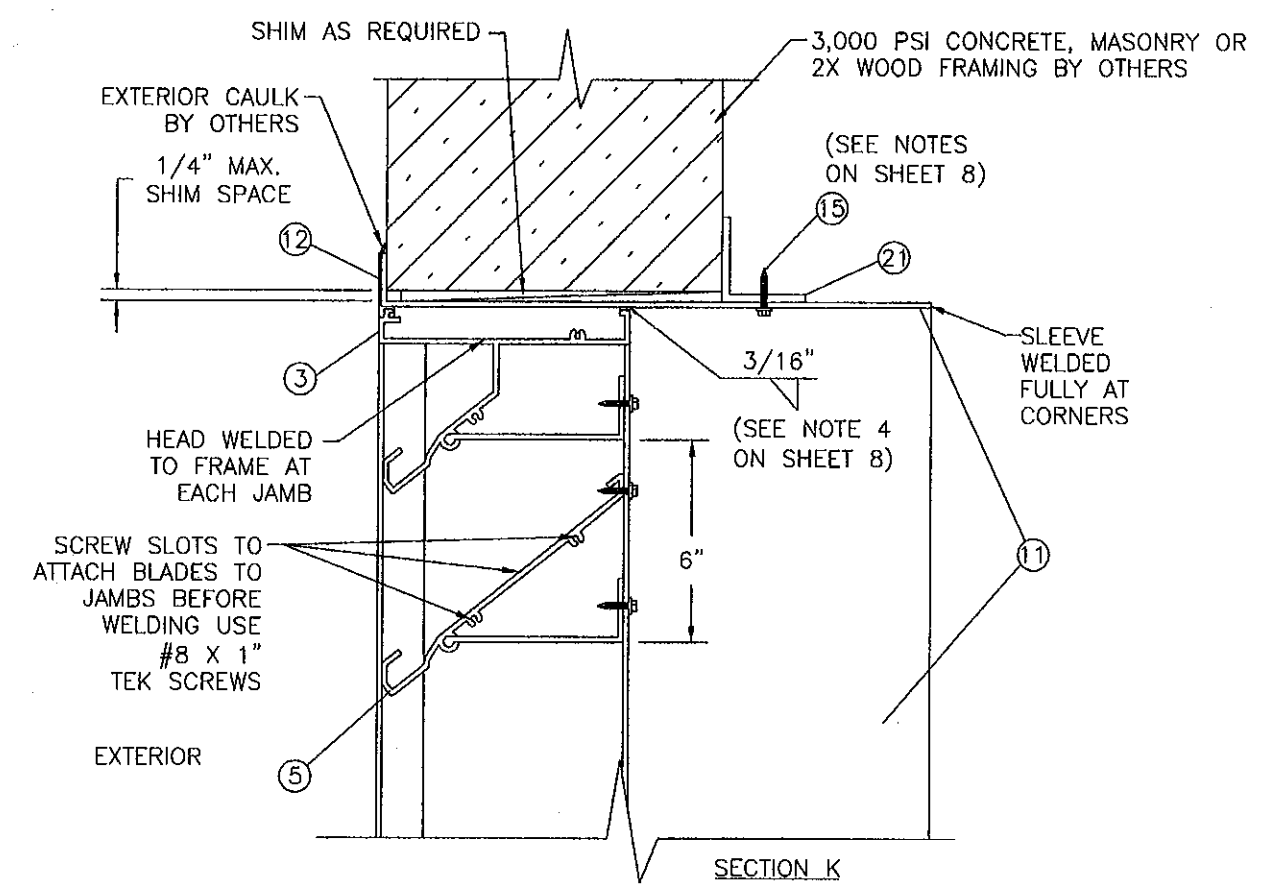
PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 07-0916.02
Expiration Date 21/06/2015
By *[Signature]*
Miami Trade Product Control Division

LEADER INDUSTRIES, INC. 2509 CRUZEN STREET NASHVILLE, TN 37211		
DC-638 LOUVER SYSTEM LARGE AND SMALL MISSILE IMPACT DC-638-3 INSTALLATION SECTIONS		
DRAWN: TJH	DWG NO. 08-00626	REV ---
SCALE NTS	DATE 10/7/08	SHEET 7 OF 10

[Signature]
10/21/08

Luis R. Lomas P.E.
Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



- NOTE:
- 1) ATTACH CONTINUOUS ANGLE (ITEM #21) TO SLEEVE (ITEM #11) WITH #12-14 X .88 TEK SCREWS (ITEM #15) SPACING AS FOLLOWS: HEAD AND SILL; 8" FROM ENDS, 13 1/2" MAX. O.C. JAMBS; AT 6" FROM ENDS, 16" MAX. O.C.
 - 2) THIS CONFIGURATION DC-638-4 LOUVER SYSTEM IS NOT MECHANICALLY FASTENED TO SUBSTRATE.
 - 3) ANGLE CLIPS SPACED AS SHOWN ON SHEET 3 OF 10.
 - 4) SLEEVE TO BE WELDED TO LOUVER SYSTEM WITH 1/8" X 1 1/2" FILLET WELD LOCATED 4" FROM EACH END AND 14" MAX. MAX. O.C. THEREAFTER.

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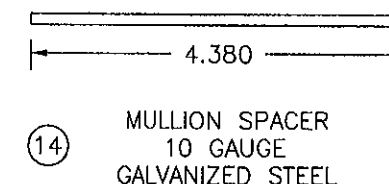
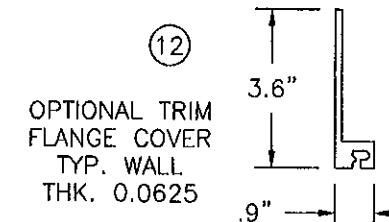
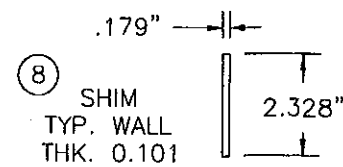
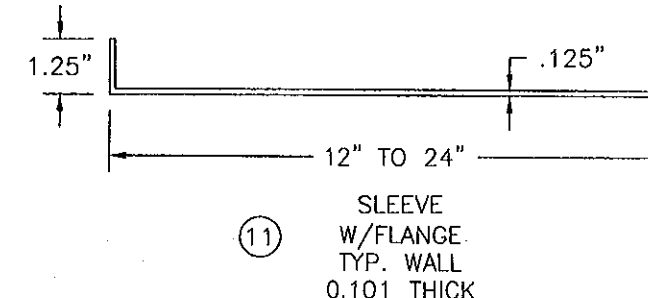
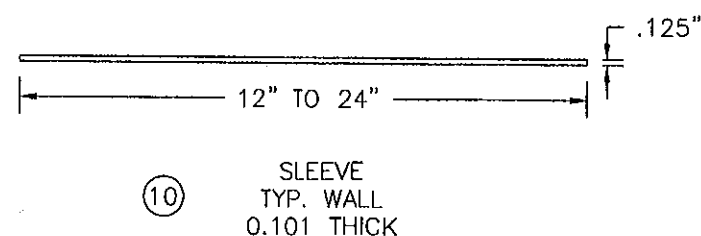
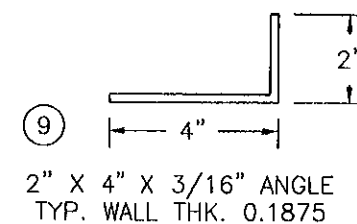
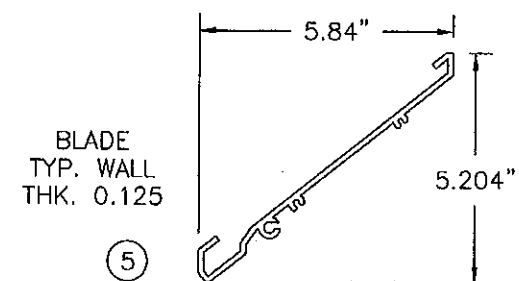
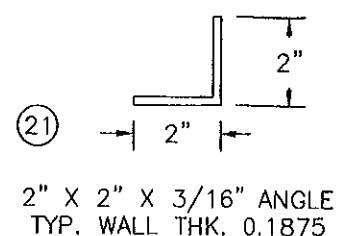
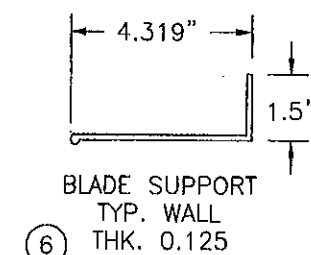
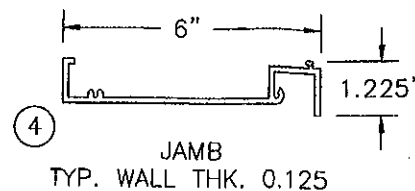
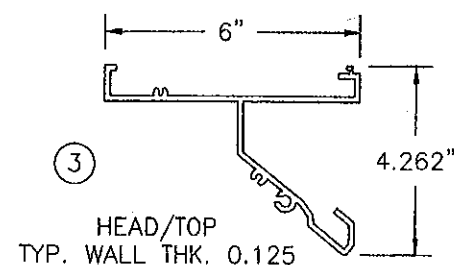
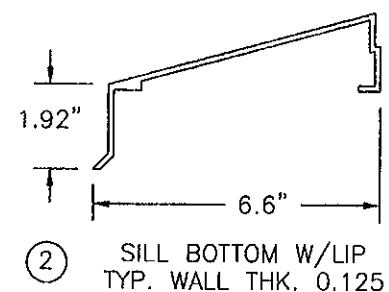
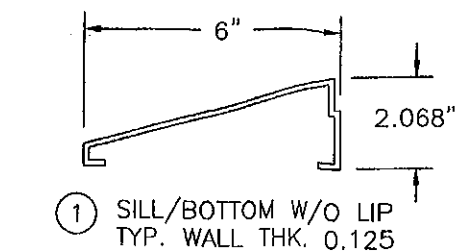
PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 09-0916.02
Expiration Date 01/06/2015

By *[Signature]*
Miami Dade Product Control Division

By *[Signature]*
Miami Dade Product Control Division

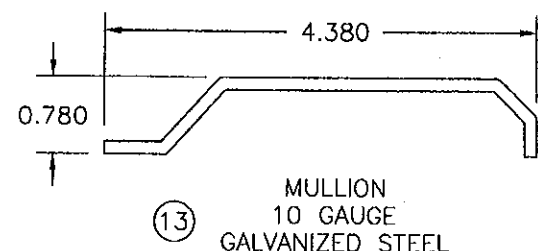
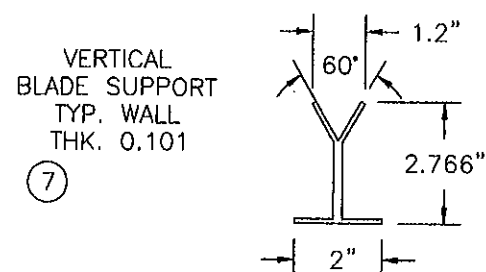
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 08-1126.05 Expiration Date 01/06/2010 By <i>[Signature]</i> Miami Dade Product Control Division			LEADER INDUSTRIES, INC. 2509 CRUZEN STREET NASHVILLE, TN 37211 DC-638 LOUVER SYSTEM LARGE AND SMALL MISSILE IMPACT DC-638-4 INSTALLATION SECTIONS		<i>[Signature]</i> 10/31/08 Luis R. Lomas P.E. Florida No. 62514
DRAWN: TJH	DWG NO. 08-00626	REV --			
SCALE NTS	DATE 10/7/08	SHEET 8 OF 10			

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	80466	SILL/BOTTOM W/O LIP	BRT EXTRUSIONS	ALUM. 6063-T5
2	22855	SILL/BOTTOM W/LIP	BRT EXTRUSIONS	ALUM. 6063-T5
3	22943	HEAD/TOP	BRT EXTRUSIONS	ALUM. 6063-T5
4	22852	JAMB	BRT EXTRUSIONS	ALUM. 6063-T5
5	22851	BLADE	BRT EXTRUSIONS	ALUM. 6063-T5
6	22854	BLADE SUPPORT	BRT EXTRUSIONS	ALUM. 6063-T5
7		VERTICAL BLADE SUPPORT	BRT EXTRUSIONS	ALUM. 6063-T5
8		SHIM	LEADER	
9		2" x 4" x 3/16" ANGLE	LEADER	ALUM. 6063-T5
10		SLEEVE	LEADER	ALUM. 6063-T5
11		FLANGE SLEEVE	LEADER	ALUM. 6063-T5
12		OPTIONAL TRIM FLANGE COVER	LEADER	ALUM. 6063-T5
13		MULLION SPACER 10ga.	LEADER	GALVANIZED STEEL
14		CONCEALED MULLION 10ga.	LEADER	GALVANIZED STEEL
15		#12-14 x .88" TEK SCREW		STAINLESS STEEL
16		3/8" HILTI KWIK BOLT 3	HILTI	STAINLESS STEEL
17		3/8" LOCK WASHER		STAINLESS STEEL
18		3/8-16 NUT		STAINLESS STEEL
19		2" x 2" x 3/16" x 2" ANGLE	LEADER	ALUM. 6063-T5
20		5/16" x 1" BOLT & NUT		STAINLESS STEEL
21		2" x 2" x 3/16" ANGLE	LEADER	ALUM. 6063-T5
22		3/8-16 x 3" BOLT		STAINLESS STEEL
23		7/16" x 4" LAG SCREW		STAINLESS STEEL



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0208-09
Expiration Date 01/06/2015
By *[Signature]*
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 09-0916-02
Expiration Date 01/06/2015
By *[Signature]*
Miami Dade Product Control
Division



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 08-1126-05
Expiration Date 01/06/2010
By *[Signature]*
Miami Dade Product Control
Division

LEADER INDUSTRIES, INC.
2509 CRUZEN STREET
NASHVILLE, TN 37211
DC-638 LOUVER SYSTEM
LARGE AND SMALL MISSILE IMPACT
BILL OF MATERIALS & COMPONENTS

DRAWN: TJH
SCALE NTS
DATE 10/7/08
DWG NO. 08-00626
REV -
SHEET 10 OF 10

[Signature]
10/31/08

Luis R. Lomas P.E.
Florida No. 62514